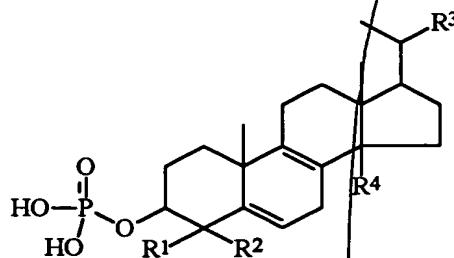


CLAIMS

1. Sterol phosphates corresponding to formula (I):

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(I)

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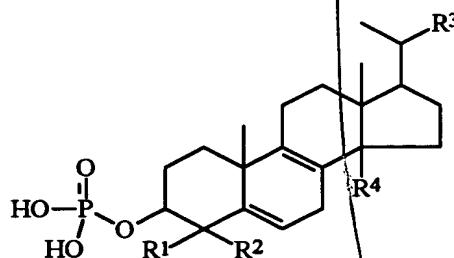
in which R¹, R² and R⁴ independently of one another represent H and/or methyl and R³ represents linear and/or branched alkyl and/or alkenyl groups containing 1 to 15 carbon atoms, and hydrogenation products thereof.

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2. Sterol phosphates as claimed in claim 1, characterized in that they are derived from lanosterol, cholesterol, campesterol, stigmasterol and/or sitosterol.

3. A process for the production of sterol phosphates corresponding to formula (I):

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(I)

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in which R¹, R² and R⁴ independently of one another represent H and/or methyl and R³ represents linear and/or branched alkyl and/or alkenyl groups containing 1 to 15 carbon atoms, characterized in that, optionally after complete or partial hydrogenation, the corresponding sterols are reacted with polyphosphoric acid in nonpolar

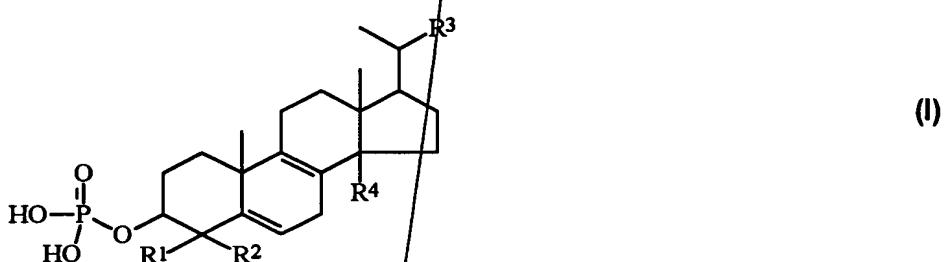
solvents.

4. A process as claimed in claim 3, characterized in that the reaction is carried out at temperatures of 65 to 95°C.

5. The use of sterol phosphates corresponding to formula (I):

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in which R¹, R² and R⁴ independently of one another represent H and/or methyl and R³ represents linear and/or branched alkyl and/or alkenyl groups containing 1 to 15 carbon atoms,

and hydrogenation products thereof for the production of cosmetic preparations.

6. The use of sterol phosphates as claimed in claim 5 for the production of deodorizing preparations.

20 7. The use claimed in claims 5 and/or 6, characterized in that the sterol phosphates are used together with deodorizing agents.

8. The use claimed in at least one of claims 5 to 7, characterized in that the sterol phosphates are used together with aluminium chlorohydrate, esterase inhibitors and/or bactericidal or bacteriostatic agents.

25 9. The use claimed in at least one of claims 5 to 8, characterized in that the sterol phosphates are used in quantities of 0.1 to 1.0% by weight, based on the final concentration.

Abd AM